STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 4.4.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

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- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm , EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
 U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street,
 Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 055856		
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE			
lWrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."		
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.		
3Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead.		
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.		
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.		
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.		
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped		
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.		
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number		
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.		
Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence		
11Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)		
PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.		
Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>		

AMC – Biotechnology Systems Branch – 09/09/2003



IFWP

RAW SEQUENCE LISTING DATE: 07/20/2006
PATENT APPLICATION: US/10/585,886 TIME: 08:34:04

Input Set : A:\10861-034US1.txt

Output Set: N:\CRF4\07202006\J585886.raw

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             Kanellopolou, Chrysi
      7 <120> TITLE OF INVENTION: SYSTEMS AND METHODS FOR SHORT RNA EXPRESSION
      9 <130> FILE REFERENCE: 10861-034US1
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/585,886
C--> 11 <141> CURRENT FILING DATE: 2006-07-12
     11 <150> PRIOR APPLICATION NUMBER: PCT/US2005/003104
     12 <151> PRIOR FILING DATE: 2005-01-21
                                                               Does Not Comply
     14 <150> PRIOR APPLICATION NUMBER: US 60/538,871
     15 <151> PRIOR FILING DATE: 2004-01-22
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     23 <212> TYPE: DN
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                                                                                FIDON
error
Summary
Sheet.
     29 aatgtgcgat aaaagacaga taatctgttc tttttaatac tagctacatt ttacatgata 180
     30 ggcttggatt tctataagag atacaaatac taaattatta ttttaaaaaa cagcacaaaa 240
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    51 aatgtgcgat aaaagacaga taatctgttc tttttaatac tagctacatt ttacatgata 180
    52 gqcttqqatt tctataaqaq atacaaatac taaattatta ttttaaaaaaa caqcacaaaa 240
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57 <212> TYPE: DNA

DATE: 07/20/2006

TIME: 08:34:04

Input Set : A:\10861-034US1.txt Output Set: N:\CRF4\07202006\J585886.raw 58 <213> ORGANISM: Artificial Sequence 60 <220> FEATURE: 61 <223> OTHER INFORMATION: U6 promoter of TATA box 63 <400> SEQUENCE: 3 5 64 tataa 66 <210> SEQ ID NO: 4 67 <211> LENGTH: 34 68 <212> TYPE: DNA 69 <213> ORGANISM: Unknown 71 <220> FEATURE: 72 <223> OTHER INFORMATION: Wild type of loxP sequence 74 <400> SEQUENCE: 4 75 ataacttcgt atagcataca ttatacgaag ttat 34 77 <210> SEQ ID NO: 5 78 <211> LENGTH: 225 79 <212> TYPE: DNA 80 <213> ORGANISM: Artificial Sequence 82 <220> FEATURE: 84 <223> OTHER INFORMATION: Stop casete sequence includes U6 pol III 85 termination 87 <400> SEQUENCE: 5 88 tacgtttttg cgatttttga attcgttcct cagaggaact gacaagcacc ctaacatcct 60 89 attggagget cactcacgtt ttttctattt tgtttcttga cagcagaget cgttgctcac 120 90 tgtatagete aggttggeet gacactgatg aggtteteca gtgaetgeet etacetaeet 180 91 actgggatga cagaggtgta ccaccaagcc acgcccgggg gatcc 93 <210> SEQ ID NO: 6 94 <211> LENGTH: 212 95 <212> TYPE: DNA 96 <213> ORGANISM: Artificial Sequence 98 <220> FEATURE: 100 <223> OTHER INFORMATION: genomic U6 PolIII termination sequence 102 <400> SEQUENCE: 6 103 tttttgaatt cgttcctcag aggaactgac aagcacccta acatcctatt ggaggctcac 60 104 tracegttttt tetattttgt ttettgacag cagagetegt tgetcaetgt atagetcagg 120 105 ttggcctgac actgatgagg ttctccagtg actgcctcta cctacctact gggatgacag 180 106 aggtgtacca ccaagccacg cccgggggat cc 212 108 <210> SEQ ID NO: 7 109 <211> LENGTH: 34 110 <212> TYPE: DNA 111 <213> ORGANISM: Artificial Sequence 113 <220> FEATURE: 114 <223> OTHER INFORMATION: the mutant second loxP site downstream of the STOP cassette 117 <400> SEQUENCE: 7 118 ataacttcgt atagcataca ttatacgaag gaaa 34 120 <210> SEQ ID NO: 8 121 <211> LENGTH: 22 122 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/585,886

123 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING DATE: 07/20/2006 PATENT APPLICATION: US/10/585,886 TIME: 08:34:04

Input Set : A:\10861-034US1.txt

Output Set: N:\CRF4\07202006\J585886.raw

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RAW SEQUENCE LISTING DATE: 07/20/2006
PATENT APPLICATION: US/10/585,886 TIME: 08:34:04

Input Set : A:\10861-034US1.txt

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RAW SEQUENCE LISTING DATE: 07/20/2006 PATENT APPLICATION: US/10/585,886 TIME: 08:34:04

Input Set : A:\10861-034US1.txt

Output Set: N:\CRF4\07202006\J585886.raw

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283 <400> SEQUENCE: 22 284 cgtctcaggc cttcagtgag VERIFICATION SUMMARY

DATE: 07/20/2006 TIME: 08:34:05

PATENT APPLICATION: US/10/585,886

Input Set : A:\10861-034US1.txt

Output Set: N:\CRF4\07202006\J585886.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date